



107

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SEQUENCE LISTING

TECH CENTER 1600/2900

<110> Allen, Keith D.

<120> TRANSGENIC MICE CONTAINING THYROID
STIMULATING HORMONE RECEPTOR (TSH-R) GENE DISRUPTIONS

<130> R-666

<150> US 10/045,624

<151> 2001-10-26

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2512

<212> DNA

<213> Mus musculus

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35 40 45
Ser Leu Pro Pro Ser Thr Gln Thr Leu Lys Leu Ile Glu Thr His Leu
50 55 60
Lys Thr Ile Pro Ser Leu Ala Phe Ser Ser Leu Pro Asn Ile Ser Arg
65 70 75 80
Ile Tyr Leu Ser Ile Asp Ala Thr Leu Gln Arg Leu Glu Pro His Ser
85 90 95
Phe Tyr Asn Leu Ser Lys Met Thr His Ile Glu Ile Arg Asn Thr Arg
100 105 110
Ser Leu Thr Tyr Ile Asp Pro Asp Ala Leu Thr Glu Leu Pro Leu Leu
115 120 125
Lys Phe Leu Gly Ile Phe Asn Thr Gly Leu Arg Ile Phe Pro Asp Leu
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Thr Lys Ile Tyr Ser Thr Asp Ile Phe Phe Ile Leu Glu Ile Thr Asp
145 150 155 160
Asn Pro Tyr Met Thr Ser Val Pro Glu Asn Ala Phe Gln Gly Leu Cys
165 170 175
Asn Glu Thr Leu Thr Leu Lys Leu Tyr Asn Asn Gly Phe Thr Ser Val
180 185 190
Gln Gly His Ala Phe Asn Gly Thr Lys Leu Asp Ala Val Tyr Leu Asn
195 200 205
Lys Asn Lys Tyr Leu Thr Ala Ile Asp Asn Asp Ala Phe Gly Gly Val
210 215 220
Tyr Ser Gly Pro Thr Leu Leu Asp Val Ser Ser Thr Ser Val Thr Ala
225 230 235 240
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245 250 255
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Thr Arg Ala Asp Leu Ser Tyr Pro Ser His Cys Cys Ala Phe Lys Asn
275 280 285
Gln Lys Lys Ile Arg Gly Ile Leu Glu Ser Leu Met Cys Asn Glu Ser
290 295 300
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305 310 315 320
Pro Ile Tyr Gln Glu Tyr Glu Glu Asp Pro Gly Asp Asn Ser Val Gly
325 330 335
Tyr Lys Gln Asn Ser Lys Phe Gln Glu Ser Pro Ser Asn Ser His Tyr
340 345 350
Tyr Val Phe Phe Glu Glu Gln Glu Asp Glu Val Val Gly Phe Gly Gln
355 360 365
Glu Leu Lys Asn Pro Gln Glu Glu Thr Leu Gln Ala Phe Glu Ser His
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Tyr Asp Tyr Thr Val Cys Gly Asp Asn Glu Asp Met Val Cys Thr Pro

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Pro Arg Phe Leu Met Cys Asn Leu Ala Phe Ala Asp Phe Cys Met Gly			
450	455	460	
Val Tyr Leu Leu Leu Ile Ala Ser Val Asp Leu Tyr Thr His Ser Glu			
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Tyr Tyr Asn His Ala Ile Asp Trp Gln Thr Gly Pro Gly Cys Asn Thr			
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Ala Gly Phe Phe Thr Val Phe Ala Ser Glu Leu Ser Val Tyr Thr Leu			
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Thr Val Ile Thr Leu Glu Arg Trp Tyr Ala Ile Thr Phe Ala Met Arg			
515	520	525	
Leu Asp Arg Lys Ile Arg Leu Arg His Ala Tyr Thr Ile Met Ala Gly			
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Gly Trp Val Ser Cys Phe Leu Leu Ala Leu Leu Pro Met Val Gly Ile			
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Ser Ser Tyr Ala Lys Val Ser Ile Cys Leu Pro Met Asp Thr Asp Thr			
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Ala Phe Val Val Val Cys Ser Cys Tyr Val Lys Ile Tyr Ile Thr Val			
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Arg Asn Pro Gln Tyr Asn Pro Arg Asp Lys Asp Thr Lys Ile Ala Lys			
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Arg Met Ala Val Leu Ile Phe Thr Asp Phe Met Cys Met Ala Pro Ile			
625	630	635	640
Ser Phe Tyr Ala Leu Ser Ala Leu Met Asn Lys Pro Leu Ile Thr Val			
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Thr Asn Ser Lys Ile Leu Leu Val Leu Phe Tyr Pro Leu Asn Ser Cys			
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Ala Asn Pro Phe Leu Tyr Ala Ile Phe Thr Lys Ala Phe Gln Arg Asp			
675	680	685	
Val Phe Ile Leu Leu Ser Lys Phe Gly Ile Cys Lys Arg Gln Ala Gln			
690	695	700	
Ala Tyr Gln Gly Gln Arg Val Cys Pro Asn Asn Ser Thr Gly Ile Gln			
705	710	715	720
Ile Gln Lys Ile Pro Gln Asp Thr Arg Gln Ser Leu Pro Asn Met Gln			
725	730	735	
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<220>
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